

Michel Holler

List of Publications by Year in descending order

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147801

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docs citations

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times ranked

3278
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#	ARTICLE	IF	CITATIONS
1	Synthesis of giant globular multivalent glycofullerenes as potent inhibitors in a model of Ebola virus infection. <i>Nature Chemistry</i> , 2016, 8, 50-57.	13.6	251
2	Heteroleptic Copper(I) Complexes Prepared from Phenanthroline and Bis-Phosphine Ligands. <i>Inorganic Chemistry</i> , 2013, 52, 12140-12151.	4.0	202
3	Glycosidase Inhibition with Fullerene Iminosugar Balls: A Dramatic Multivalent Effect. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5753-5756.	13.8	174
4	Fullerene sugar balls. <i>Chemical Communications</i> , 2010, 46, 3860.	4.1	169
5	Electrophosphorescent homo- and heteroleptic copper(i) complexes prepared from various bis-phosphine ligands. <i>Chemical Communications</i> , 2007, , 3077-3079.	4.1	161
6	Synthesis, Structure, and Reactions of a Sulfenic Acid Bearing a Novel Bowl-Type Substituent: The First Synthesis of a Stable Sulfenic Acid by Direct Oxidation of a Thiol. <i>Journal of the American Chemical Society</i> , 1997, 119, 1460-1461.	13.7	133
7	The functional valency of dodecamannosylated fullerenes with <i>Escherichia coli</i> FimH towards novel bacterial antiadhesives. <i>Chemical Communications</i> , 2011, 47, 1321-1323.	4.1	132
8	Building liquid crystals from the 5-fold symmetrical pillar[5]arene core. <i>Chemical Communications</i> , 2012, 48, 8072.	4.1	121
9	The high yielding synthesis of pillar[5]arenes under Friedel-Crafts conditions explained by dynamic covalent bond formation. <i>Chemical Communications</i> , 2012, 48, 2576-2578.	4.1	116
10	Synthesis of Dodecavalent Fullerene-Based Glycoclusters and Evaluation of Their Binding Properties towards a Bacterial Lectin. <i>Chemistry - A European Journal</i> , 2011, 17, 3252-3261.	3.3	114
11	The Inhibition of Liposaccharide Heptosyltransferase WaaC with Multivalent Glycosylated Fullerenes: A New Mode of Glycosyltransferase Inhibition. <i>Chemistry - A European Journal</i> , 2012, 18, 641-651.	3.3	97
12	Heteroleptic Copper(I) Pseudorotaxanes Incorporating Macrocyclic Phenanthroline Ligands of Different Sizes. <i>Journal of the American Chemical Society</i> , 2018, 140, 2336-2347.	13.7	85
13	Heteroleptic Copper(I) Complexes Prepared from Phenanthroline and Bis-Phosphine Ligands: Rationalization of the Photophysical and Electrochemical Properties. <i>Inorganic Chemistry</i> , 2018, 57, 15537-15549.	4.0	83
14	Gene delivery with polycationic fullerene hexakis-adducts. <i>Chemical Communications</i> , 2011, 47, 4640.	4.1	74
15	A mannosylated pillar[5]arene derivative: chiral information transfer and antiadhesive properties against uropathogenic bacteria. <i>Tetrahedron Letters</i> , 2013, 54, 2398-2402.	1.4	73
16	Polycationic Pillar[5]arene Derivatives: Interaction with DNA and Biological Applications. <i>Chemistry - A European Journal</i> , 2013, 19, 17552-17558.	3.3	72
17	Heteroleptic Cu(I) complexes containing phenanthroline-type and 1,1'-bis(diphenylphosphino)ferrocene ligands: Structure and electronic properties. <i>Inorganica Chimica Acta</i> , 2007, 360, 1032-1042.	2.4	67
18	Macrocyclic Effects in the Mesomorphic Properties of Liquid-Crystalline Pillar[5]- and Pillar[6]arenes. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 3675-3684.	2.4	66

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19	Pillar[5]arene-Based Glycoclusters: Synthesis and Multivalent Binding to Pathogenic Bacterial Lectins. <i>Chemistry - A European Journal</i> , 2016, 22, 2955-2963.	3.3	64
20	Heteroleptic Copper(I) Complexes Coupled with Methano[60]fullerene: Synthesis, Electrochemistry, and Photophysics. <i>Inorganic Chemistry</i> , 2008, 47, 6254-6261.	4.0	60
21	Photoinduced electron transfer in a clicked fullerene-porphyrin conjugate. <i>Journal of Materials Chemistry</i> , 2011, 21, 1562-1573.	6.7	49
22	Self-organisation of dodeca-dendronized fullerene into supramolecular discs and helical columns containing a nanowire-like core. <i>Chemical Science</i> , 2015, 6, 3393-3401.	7.4	49
23	Supramolecular Organogels Prepared from Pillar[5]arene-Functionalized Conjugated Polymers. <i>Macromolecules</i> , 2017, 50, 9144-9150.	4.8	44
24	Fucofullerenes as tight ligands of RSL and LecB, two bacterial lectins. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 6482-6492.	2.8	42
25	A Rotaxane Scaffold for the Construction of Multiporphyrinic Light-Harvesting Devices. <i>Chemistry - A European Journal</i> , 2018, 24, 133-140.	3.3	37
26	A stable fullerene-azide building block for the construction of a fullerene-porphyrin conjugate. <i>Tetrahedron Letters</i> , 2009, 50, 2245-2248.	1.4	34
27	Synthesis and crystal structure of an arenesulfonyl iodide with unprecedented stability. <i>Chemical Communications</i> , 1998, , 1915-1916.	4.1	33
28	Chiral tridentate versus bidentate pyridines as catalysts in the enantioselective alkylation of benzaldehyde with diethylzinc. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 119-121.	1.8	33
29	Electronic properties of oligophenylenevinylene and oligophenyleneethynylene arrays constructed on the upper rim of a calix[4]arene core. <i>New Journal of Chemistry</i> , 2004, 28, 1627.	2.8	33
30	Giant Glycosidase Inhibitors: First- and Second-Generation Fullerodendrimers with a Dense Iminosugar Shell. <i>Chemistry - A European Journal</i> , 2018, 24, 2483-2492.	3.3	33
31	Restricted Rotation in (Phenylpyrrolidino)fullerene Derivatives. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 3766-3774.	2.4	32
32	A stable and strongly luminescent dinuclear Cu(I) helical complex prepared from 2-diphenylphosphino-6-methylpyridine. <i>Chemical Communications</i> , 2013, 49, 859-861.	4.1	30
33	A Fullerene-Substituted Pillar[5]arene for the Construction of a Photoactive Rotaxane. <i>Helvetica Chimica Acta</i> , 2018, 101, e1800059.	1.6	30
34	Piling Up Pillar[5]arenes To Self-Assemble Nanotubes. <i>Chemistry - A European Journal</i> , 2016, 22, 6185-6189.	3.3	28
35	Preparation of Copper(I) Pseudo-Rotaxanes from Bisphosphine Ligands. <i>Chemistry - A European Journal</i> , 2012, 18, 12192-12195.	3.3	27
36	Construction of giant glycosidase inhibitors from iminosugar-substituted fullerene macromonomers. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6546-6556.	5.8	26

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37	Preparation of Pillar[5]arene-Based [2]Rotaxanes by a Stopper-Exchange Strategy. Chemistry - A European Journal, 2018, 24, 169-177.	3.3	25
38	Combining Topological and Steric Constraints for the Preparation of Heteroleptic Copper(I) Complexes. Chemistry - A European Journal, 2014, 20, 12083-12090.	3.3	24
39	Preparation of Pillar[5]arene-Based [2]Rotaxanes from Acyl Chlorides and Amines. European Journal of Organic Chemistry, 2015, 2015, 479-485.	2.4	23
40	Mechanochemical Solvent-Free Conditions for the Synthesis of Pillar[5]arene-Containing [2]Rotaxanes. European Journal of Organic Chemistry, 2019, 2019, 3401-3405.	2.4	23
41	Synthesis of fullerohelicates and fine tuning of the photoinduced processes by changing the number of addends on the fullerene subunits. Tetrahedron, 2006, 62, 2060-2073.	1.9	21
42	Formyl-Porphyrin and Formyl-Fullerenoporphyrin Building Blocks for the Construction of Multiporphyrin Arrays. European Journal of Organic Chemistry, 2009, 2009, 3715-3725.	2.4	21
43	Dynamic topomerization of Cu-complexed pseudorotaxanes. Chemical Communications, 2013, 49, 1261-1263.	4.1	21
44	Langmuir and Langmuir-Blodgett Films from Amphiphilic Pillar[5]arene-Containing [2]Rotaxanes. Chemistry - A European Journal, 2015, 21, 8019-8022.	3.3	20
45	Topological and Steric Constraints to Stabilize Heteroleptic Copper(I) Complexes Combining Phenanthroline Ligands and Phosphines. Chemistry - A European Journal, 2019, 25, 4543-4550.	3.3	19
46	Synthesis and structure of a novel molecular bowl with an all-carbon and acyclic framework. Tetrahedron Letters, 1996, 37, 3141-3144.	1.4	18
47	Synthesis and electronic properties of fullerene derivatives substituted with oligophenylenevinylene-ferrocene conjugates. New Journal of Chemistry, 2008, 32, 54-64.	2.8	18
48	Synthesis of Oligophenylenevinylene Heptamers Substituted with Fullerene Moieties. European Journal of Organic Chemistry, 2008, 2008, 3627-3634.	2.4	17
49	Synthesis and Properties of Fullerene-Rich Dendrimers. Australian Journal of Chemistry, 2009, 62, 605.	0.9	17
50	Coordination-Driven Folding in Multi-Zn-Porphyrin Arrays Constructed on a Pillar[5]arene Scaffold. Chemistry - A European Journal, 2017, 23, 11011-11021.	3.3	17
51	The electronic properties of a homoleptic bisphosphine Cu(I) complex: A joint theoretical and experimental insight. Computational and Theoretical Chemistry, 2010, 962, 7-14.	1.5	16
52	Pentafluorophenyl Esters as Exchangeable Stoppers for the Construction of Photoactive [2]Rotaxanes. Chemistry - A European Journal, 2021, 27, 8492-8499.	3.3	16
53	A New Synthetic Route for the Preparation of 1,10-Phenanthroline Derivatives. European Journal of Organic Chemistry, 2007, 2007, 417-419.	2.4	15
54	Photo-induced Energy Transfer in a Th-Symmetrical Hexakis-adduct of C60 Substituted with π -Conjugated Oligomers. Australian Journal of Chemistry, 2011, 64, 153.	0.9	15

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55	Synthesis of optically pure [60]fullerene e,e,e-tris adducts. <i>Chemical Communications</i> , 2013, 49, 4752.	4.1	14
56	An expeditious regioselective synthesis of [60]fullerene e,e,e tris-adduct building blocks. <i>Tetrahedron Letters</i> , 2013, 54, 4241-4244.	1.4	14
57	Fullerene Derivatives Substituted with Differently Branched Phenyleneethynylene Dendrons: Synthesis, Electronic and Excited State Properties. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 5899-5908.	2.4	13
58	Ultra-Fast Dendritic Growth Based on the Grafting of Fullerene Hexa-Adduct Macromonomers onto a Fullerene Core. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 2882-2887.	2.4	13
59	The di-t-butylsilylene protecting group as a bridging unit in linear and macrocyclic bis-malonates for the regioselective multifunctionalization of C60. <i>Tetrahedron Letters</i> , 2013, 54, 6251-6257.	1.4	11
60	Dinuclear Copper(I) Complexes Combining Bis(diphenylphosphanyl)acetylene with 1,10-Phenanthroline Ligands. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2665-2673.	2.0	10
61	A rigid macrocyclic bis-malonate for the regioselective preparation of trans-1 and trans-3 fullerene bis-adducts. <i>Tetrahedron Letters</i> , 2013, 54, 3160-3163.	1.4	9
62	Ethynyloxirane anions: a new tool for natural product synthesis. <i>Tetrahedron</i> , 2003, 59, 9793-9802.	1.9	7
63	Synthesis and conformational analysis of porphyrin derivatives substituted with calix[4]arene subunits. <i>Journal of Porphyrins and Phthalocyanines</i> , 2011, 15, 1183-1188.	0.8	7
64	Regioselective Preparation of Fullerene Bis-Adducts from Cleavable Macrocyclic Bis-malonates. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 3770-3786.	2.4	6
65	Synthesis of a Stable Sulfenic Acid by Oxidation of a Thiol Bearing a Novel Bowl-type Substituent and Its Redox Reactions. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1997, 120, 325-326.	1.6	5
66	Regioselective Synthesis of Fullerene Tris-Adducts for the Preparation of Clickable Fullerene [3:3]-Hexa-Adduct Scaffolds. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 3787-3797.	2.4	5
67	(E)-1-Alkyl-4-[2-(alkylsulfonyl)-1-ethenyl]pyridinium Salts: Reaction with Thiol Groups Giving Rise to Chromophoric (E)-1-Alkyl-4-[2-(alkylsulfonyl)-1-ethenyl]pyridinium Salts. <i>Chemistry - A European Journal</i> , 2000, 6, 2053-2062.	3.3	4
68	A novel selective reagent of thiols and selenols.. <i>Tetrahedron Letters</i> , 1993, 34, 3291-3292.	1.4	3
69	Grafting Dendrons onto Pillar[5]Arene Scaffolds. <i>Molecules</i> , 2021, 26, 2358.	3.8	3
70	Electron Transfer Rates in an Adsorbed C ₆₀ -Porphyrin Dyad. <i>Electroanalysis</i> , 2015, 27, 1010-1016.	2.9	2
71	Pillar[5]arene-Based Glycoclusters: Synthesis and Multivalent Binding to Pathogenic Bacterial Lectins. <i>Chemistry - A European Journal</i> , 2016, 22, 2837-2837.	3.3	1
72	Chapter 5. Fullerene-Containing Dendrimers: Synthesis and Properties. <i>RSC Nanoscience and Nanotechnology</i> , 2011, , 162-191.	0.2	1

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73	Ethyloxirane Anions: A New Tool for Natural Product Synthesis.. ChemInform, 2004, 35, no.	0.0	0
74	Synthesis of isomeric phenyleneethynylene dendrons and their incorporation in fullerene-based dyads. Comptes Rendus Chimie, 2009, 12, 479-488.	0.5	0
75	Combining Topological and Steric Constraints for the Preparation of Heteroleptic Copper(I) Complexes. Chemistry - A European Journal, 2014, 20, 11961-11961.	3.3	0
76	Coordination-Driven Folding in Multi-ZnII -Porphyrin Arrays Constructed on a Pillar[5]arene Scaffold. Chemistry - A European Journal, 2017, 23, 10935-10935.	3.3	0
77	Frontispiece: Topological and Steric Constraints to Stabilize Heteroleptic Copper(I) Complexes Combining Phenanthroline Ligands and Phosphines. Chemistry - A European Journal, 2019, 25, .	3.3	0